GenCore version 4.5

OM nucleic - nucleic search, using sw model

Run on: September 17, 2002, 00:04:09 ; Search time 3347.31 Seconds
(without alignments)
11588.820 Million cell updates/sec

Title: US-09-719-017A-2
Perfect score: 1793
Sequence: 1 gaattccctgttgacaatta.....caattactcaatgcccgcgg 1793

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 21979536 seqs, 10817449327 residues

Total number of hits satisfying chosen parameters: 43959072

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_NA_Main:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	954.2	53.2	1071	31	US-09-806-876A-1	Sequence 1, Appli
2	401.6	22.4	7615	15	US-09-108-401-87	Sequence 87, Appl
3	401.6	22.4	7615	19	US-09-502-424-87	Sequence 87, Appl
4	401.6	22.4	7615	19	US-09-502-498-87	Sequence 87, Appl
5	401.6	22.4	7688	15	US-09-108-401-89	Sequence 89, Appl
6	401.6	22.4	7688	19	US-09-502-424-89	Sequence 89, Appl
7	401.6	22.4	7688	19	US-09-502-498-89	Sequence 89, Appl
8	401.6	22.4	7797	15	US-09-108-401-88	Sequence 88, Appl
9	401.6	22.4	7797	19	US-09-502-424-88	Sequence 88, Appl
10	401.6	22.4	7797	19	US-09-502-498-88	Sequence 88, Appl
11	369	20.6	7416	34	US-09-900-575-46	Sequence 46, Appl
12	336	18.7	5641	24	US-09-630-931A-13	Sequence 13, Appl
13	336	18.7	5670	24	US-09-630-931A-14	Sequence 14, Appl
14	336	18.7	5826	24	US-09-630-931A-11	Sequence 11, Appl
15	336	18.7	6043	24	US-09-630-929-4	Sequence 4, Appli
16	336	18.7	6071	24	US-09-630-931A-12	Sequence 12, Appl
17	332.8	18.6	4214	33	US-09-869-696-1	Sequence 1, Appli
18	332.8	18.6	4357	30	US-09-795-872-10	Sequence 10, Appl
19	332.8	18.6	5013	15	US-09-183-188A-5	Sequence 5, Appli
20	332.8	18.6	5013	15	US-09-183-188B-5	Sequence 5, Appli
21	332.8	18.6	5027	1	PCT-US98-27498-6	Sequence 6, Appli
22	332.8	18.6	5027	13	US-08-996-744-6	Sequence 6, Appli
23	332.8	18.6	5069	1	PCT-US98-27498-12	Sequence 12, Appl
24	332.8	18.6	5069	1	PCT-US98-27498-15	Sequence 15, Appl
25	332.8	18.6	5069	13	US-08-996-744-12	Sequence 12, Appl
26	332.8	18.6	5069	13	US-08-996-744-15	Sequence 15, Appl
27	332.8	18.6	5099	1	PCT-US98-27498-37	Sequence 37, Appl
28	332.8	18.6	5132	1	PCT-US98-27498-24	Sequence 24, Appl
29	332.8	18.6	5132	13	US-08-996-744-24	Sequence 24, Appl
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31	332.8	18.6	5324	13	US-08-996-744-31	Sequence 31, Appl

	32	332.8	18.6	5342	1 PCT-US98-27498-34	Sequence 34, Appl
	33	332.8	18.6	5522	33 US-09-872-868-16	Sequence 16, Appl
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	39	332.8	18.6	6086	33 US-09-872-868-12	Sequence 12, Appl
	40	332.8	18.6	6086	33 US-09-872-868-13	Sequence 13, Appl
	41	332.8	18.6	6086	33 US-09-872-868-14	Sequence 14, Appl
	42	332.8	18.6	6088	33 US-09-872-868-15	Sequence 15, Appl
	43	332.8	18.6	6464	19 US-09-517-466-129	Sequence 129, App
	44	332.8	18.6	6464	19 US-09-517-466B-129	Sequence 129, App
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ALIGNMENTS

RESULT 1
US-09-806-876A-1
; Sequence 1, Application US/09806876A
; GENERAL INFORMATION:
; APPLICANT: Ress-Loeschke, Marion
; APPLICANT: Friedrich, Thomas
; APPLICANT: Hauer, Bernhard
; TITLE OF INVENTION: A process for preparing chiral carboxylic acids
; TITLE OF INVENTION: from nitriles using a nitrilase or microorganisms
; TITLE OF INVENTION: which comprise a gene for the nitrilase
; FILE REFERENCE: 49462
; CURRENT APPLICATION NUMBER: US/09/806,876A
; CURRENT FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: Germany/19848129.2
; PRIOR FILING DATE: 1998-10-19
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: WordPerfect version 6.1
; SEQ ID NO 1
; LENGTH: 1071
; TYPE: DNA
; ORGANISM: Alcaligenes faecalis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1 ... 1071
US-09-806-876A-1

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Best Local Similarity 93.2%; Pred. No. 6.9e-250;
Matches 998; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

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RESULT 2
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; Sequence 87, Application US/09108401
; GENERAL INFORMATION:
; APPLICANT: Kilian, Andrzej
; APPLICANT: Bowtell, David
; TITLE OF INVENTION: VERTEBRATE TELOMERASE GENES AND PROTEINS AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 190106.407
; CURRENT APPLICATION NUMBER: US/09/108,401
; CURRENT FILING DATE: 1998-06-30
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 87
; LENGTH: 7615
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Human Telomerase Clone with Exon Beta Spliced Out
US-09-108-401-87

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RESULT   3
US-09-502-424-87
; Sequence 87, Application US/09502424
; GENERAL INFORMATION:
;  APPLICANT:  Kilian, Andrzej
;  APPLICANT:  Bowtell, David
;  TITLE OF INVENTION:  VERTEBRATE TELOMERASE GENES AND PROTEINS AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE:  190106.407
;  CURRENT APPLICATION NUMBER: US/09/502,424
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER:  US 09/108,401
;  PRIOR FILING DATE:  1998-06-30
;  NUMBER OF SEQ ID NOS:  155
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 87
;   LENGTH: 7615
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Human Telomerase Clone with Exon Beta Spliced Out
US-09-502-424-87


  Query Match            22.4%;  Score 401.6;  DB 19;  Length 7615;
  Best Local Similarity   96.7%;  Pred. No. 2.2e-98;
  Matches  410;  Conservative    0;  Mismatches   14;  Indels    0;  Gaps    0;

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Qy   1507 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 1566
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Db    558 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 617

Qy   1567 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 1626
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    618 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 677

Qy   1627 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 1686
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    678 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 737

Qy   1687 gcag 1690
          ||||
Db    738 gcag 741


RESULT   4
US-09-502-498-87
; Sequence 87, Application US/09502498
; GENERAL INFORMATION:
;  APPLICANT:  Kilian, Andrzej
;  APPLICANT:  Bowtell, David
;  TITLE OF INVENTION:  VERTEBRATE TELOMERASE GENES AND PROTEINS AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE:  190106.407
;  CURRENT APPLICATION NUMBER: US/09/502,498
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER:  US 09/108,401
;  PRIOR FILING DATE:  1998-06-30
;  NUMBER OF SEQ ID NOS:  155
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 87
;   LENGTH: 7615
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Human Telomerase Clone with Exon Beta Spliced Out
US-09-502-498-87


  Query Match            22.4%;  Score 401.6;  DB 19;  Length 7615;
  Best Local Similarity   96.7%;  Pred. No. 2.2e-98;
  Matches  410;  Conservative    0;  Mismatches   14;  Indels    0;  Gaps    0;

Qy   1267 agagtcgacctgcaggcatgcaagcttgggtcccacctgaccccatgccgaactcagaag 1326
          ||| |   ||||  ||||     ||   ||||||||||||||||||||||||||||||
Db    318 agaatttgcctggcggcagtagcgcggtggtcccacctgaccccatgccgaactcagaag 377

Qy   1327 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 1386
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    378 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 437

Qy   1387 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 1446
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    438 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 497

Qy   1447 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 1506
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    498 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 557

Qy   1507 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 1566
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    558 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 617

Qy   1567 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 1626
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          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    618 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 677

Qy   1627 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 1686
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    678 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 737

Qy   1687 gcag 1690
          ||||
Db    738 gcag 741


RESULT   5
US-09-108-401-89
; Sequence 89, Application US/09108401
; GENERAL INFORMATION:
;  APPLICANT: Kilian, Andrzej
;  APPLICANT: Bowtell, David
;  TITLE OF INVENTION: VERTEBRATE TELOMERASE GENES AND PROTEINS AND USES
;  TITLE OF INVENTION: THEREOF
;  FILE REFERENCE: 190106.407
;  CURRENT APPLICATION NUMBER: US/09/108,401
;  CURRENT FILING DATE: 1998-06-30
;  NUMBER OF SEQ ID NOS: 155
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 89
;   LENGTH: 7688
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Human Telomerase Clone with exon Alpha Spliced Out
US-09-108-401-89


  Query Match             22.4%;  Score 401.6;  DB 15;  Length 7688;
  Best Local Similarity   96.7%;  Pred. No. 2.2e-98;
  Matches  410;  Conservative    0;  Mismatches   14;  Indels    0;  Gaps    0;

Qy   1267 agagtcgacctgcaggcatgcaagcttgggtcccacctgaccccatgccgaactcagaag 1326
          ||| |   ||||  ||||     ||   ||||||||||||||||||||||||||||||||
Db    318 agaatttgcctggcggcagtagcgcggtggtcccacctgaccccatgccgaactcagaag 377

Qy   1327 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 1386
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    378 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 437

Qy   1387 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 1446
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    438 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 497

Qy   1447 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 1506
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    498 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 557

Qy   1507 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 1566
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    558 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 617

Qy   1567 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 1626
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    618 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 677

Qy   1627 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 1686
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    678 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 737

Qy   1687 gcag 1690
          ||||
Db    738 gcag 741


RESULT   6
US-09-502-424-89
; Sequence 89, Application US/09502424
; GENERAL INFORMATION:
;  APPLICANT:  Kilian, Andrzej
;  APPLICANT:  Bowtell, David
;  TITLE OF INVENTION:  VERTEBRATE TELOMERASE GENES AND PROTEINS AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE:  190106.407
;  CURRENT APPLICATION NUMBER: US/09/502,424
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER:  US 09/108,401
;  PRIOR FILING DATE:  1998-06-30
;  NUMBER OF SEQ ID NOS:  155
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 89
;   LENGTH: 7688
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Human Telomerase Clone with exon Alpha Spliced Out
US-09-502-424-89


  Query Match             22.4%;  Score 401.6;  DB 19;  Length 7688;
  Best Local Similarity   96.7%;  Pred. No. 2.2e-98;
  Matches  410;  Conservative    0;  Mismatches   14;  Indels    0;  Gaps    0;

Qy   1267 agagtcgacctgcaggcatgcaagcttgggtcccacctgaccccatgccgaactcagaag 1326
          ||| |   ||||  ||||     ||   ||||||||||||||||||||||||||||||||
Db    318 agaatttgcctggcggcagtagcgcggtggtcccacctgaccccatgccgaactcagaag 377

Qy   1327 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 1386
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    378 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 437

Qy   1387 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 1446
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    438 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 497

Qy   1447 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 1506
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    498 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 557

Qy   1507 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 1566
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    558 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 617

Qy   1567 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 1626
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    618 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 677

Qy   1627 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 1686
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    678 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 737

Qy   1687 gcag 1690
          ||||
Db    738 gcag 741


RESULT   7
US-09-502-498-89
; Sequence 89, Application US/09502498
; GENERAL INFORMATION:
;  APPLICANT:  Kilian, Andrzej
;  APPLICANT:  Bowtell, David
;  TITLE OF INVENTION:  VERTEBRATE TELOMERASE GENES AND PROTEINS AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE:  190106.407
;  CURRENT APPLICATION NUMBER: US/09/502,498
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER:  US 09/108,401
;  PRIOR FILING DATE:  1998-06-30
;  NUMBER OF SEQ ID NOS:  155
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;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 89
;   LENGTH: 7688
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Human Telomerase Clone with exon Alpha Spliced Out
US-09-502-498-89


  Query Match            22.4%;  Score 401.6;  DB 19;  Length 7688;
  Best Local Similarity   96.7%;  Pred. No. 2.2e-98;
  Matches  410;  Conservative    0;  Mismatches   14;  Indels    0;  Gaps    0;

Qy   1267 agagtcgacctgcaggcatgcaagcttgggtcccacctgaccccatgccgaactcagaag 1326
           ||| |   ||||  ||||     ||   ||||||||||||||||||||||||||||||
Db    318 agaatttgcctggcggcagtagcgcggtggtcccacctgaccccatgccgaactcagaag 377

Qy   1327 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 1386
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    378 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 437

Qy   1387 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 1446
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    438 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 497

Qy   1447 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 1506
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    498 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 557

Qy   1507 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 1566
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    558 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 617

Qy   1567 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 1626
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    618 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 677

Qy   1627 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 1686
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    678 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 737

Qy   1687 gcag 1690
           ||||
Db    738 gcag 741


RESULT   8
US-09-108-401-88
; Sequence 88, Application US/09108401
; GENERAL INFORMATION:
;  APPLICANT: Kilian, Andrzej
;  APPLICANT: Bowtell, David
;  TITLE OF INVENTION: VERTEBRATE TELOMERASE GENES AND PROTEINS AND USES
;  TITLE OF INVENTION: THEREOF
;  FILE REFERENCE: 190106.407
;  CURRENT APPLICATION NUMBER: US/09/108,401
;  CURRENT FILING DATE: 1998-06-30
;  NUMBER OF SEQ ID NOS: 155
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 88
;   LENGTH: 7797
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Human Telomerase Clone with Alternative C-terminus
US-09-108-401-88


  Query Match            22.4%;  Score 401.6;  DB 15;  Length 7797;
  Best Local Similarity   96.7%;  Pred. No. 2.2e-98;
  Matches  410;  Conservative    0;  Mismatches   14;  Indels    0;  Gaps    0;

Qy   1267 agagtcgacctgcaggcatgcaagcttgggtcccacctgaccccatgccgaactcagaag 1326
           ||| |   ||||  ||||     ||   ||||||||||||||||||||||||||||||
Db    318 agaatttgcctggcggcagtagcgcggtggtcccacctgaccccatgccgaactcagaag 377

Qy   1327 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 1386
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    378 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 437

Qy   1387 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 1446
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    438 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 497

Qy   1447 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 1506
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    498 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 557

Qy   1507 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 1566
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    558 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 617

Qy   1567 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 1626
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    618 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 677

Qy   1627 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 1686
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    678 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 737

Qy   1687 gcag 1690
           ||||
Db    738 gcag 741


RESULT   9
US-09-502-424-88
; Sequence 88, Application US/09502424
; GENERAL INFORMATION:
;  APPLICANT:  Kilian, Andrzej
;  APPLICANT:  Bowtell, David
;  TITLE OF INVENTION:  VERTEBRATE TELOMERASE GENES AND PROTEINS AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE:  190106.407
;  CURRENT APPLICATION NUMBER: US/09/502,424
;  CURRENT FILING DATE:  2000-02-11
;  PRIOR APPLICATION NUMBER:  US 09/108,401
;  PRIOR FILING DATE:  1998-06-30
;  NUMBER OF SEQ ID NOS:  155
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 88
;   LENGTH: 7797
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Human Telomerase Clone with Alternative C-terminus
US-09-502-424-88


  Query Match            22.4%;  Score 401.6;  DB 19;  Length 7797;
  Best Local Similarity   96.7%;  Pred. No. 2.2e-98;
  Matches  410;  Conservative    0;  Mismatches   14;  Indels    0;  Gaps    0;

Qy   1267 agagtcgacctgcaggcatgcaagcttgggtcccacctgaccccatgccgaactcagaag 1326
           ||| |   ||||  ||||     ||   ||||||||||||||||||||||||||||||
Db    318 agaatttgcctggcggcagtagcgcggtggtcccacctgaccccatgccgaactcagaag 377

Qy   1327 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 1386
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    378 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 437

Qy   1387 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 1446
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    438 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 497

Qy   1447 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 1506
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    498 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 557

Qy   1507 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 1566
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    558 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 617

Qy   1567 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 1626
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    618 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 677

Qy   1627 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 1686
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    678 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 737

Qy   1687 gcag 1690
           ||||
Db    738 gcag 741
```

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Qy   1447 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 1506
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    498 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 557

Qy   1507 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 1566
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    558 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 617

Qy   1567 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 1626
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    618 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 677

Qy   1627 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 1686
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    678 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 737

Qy   1687 gcag 1690
          ||||
Db    738 gcag 741
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RESULT 10
US-09-502-498-88
; Sequence 88, Application US/09502498
; GENERAL INFORMATION:
; APPLICANT: Kilian, Andrzej
; APPLICANT: Bowtell, David
; TITLE OF INVENTION: VERTEBRATE TELOMERASE GENES AND PROTEINS AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 190106.407
; CURRENT APPLICATION NUMBER: US/09/502,498
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 09/108,401
; PRIOR FILING DATE: 1998-06-30
; NUMBER OF SEQ ID NOS: 155
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 88
; LENGTH: 7797
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Human Telomerase Clone with Alternative C-terminus
US-09-502-498-88

Query Match 22.4%; Score 401.6; DB 19; Length 7797;
Best Local Similarity 96.7%; Pred. No. 2.2e-98;
Matches 410; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

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Qy   1267 agagtcgacctgcaggcatgcaagcttgggtcccacctgaccccatgccgaactcagaag 1326
          ||| |   ||||  ||||     ||   ||||||||||||||||||||||||||||||||
Db    318 agaatttgcctggcggcagtagcgcggtggtcccacctgaccccatgccgaactcagaag 377

Qy   1327 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 1386
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    378 tgaaacgccgtagcgccgatggtagtgtggggtctccccatgcgagagtagggaactgcc 437

Qy   1387 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 1446
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    438 aggcatcaaataaaacgaaaggctcagtcgaaagactgggcctttcgttttatctgttgt 497

Qy   1447 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 1506
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    498 ttgtcggtgaacgctctcctgagtaggacaaatccgccgggagcggatttgaacgttgcg 557

Qy   1507 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 1566
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    558 aagcaacggcccggagggtggcgggcaggacgcccgccataaactgccaggcatcaaatt 617

Qy   1567 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 1626
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    618 aagcagaaggccatcctgacggatggccttttgcgtttctacaaactcttcctgtcgtc 677

Qy   1627 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 1686
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    678 atatctacaagccatccccccacagatacggtaaactagcctcgtttttgcatcaggaaa 737

Qy   1687 gcag 1690
          ||||
Db    738 gcag 741
```

RESULT 11
US-09-900-575-46
; Sequence 46, Application US/09900575
; GENERAL INFORMATION:
; APPLICANT: Langermann, Solomon
; APPLICANT: Revel, Andrew
; APPLICANT: Auguste, Christine
; APPLICANT: Burlein, Jeanne
; TITLE OF INVENTION: FimH Adhesin Proteins and Methods of Use
; FILE REFERENCE: 469201-549
; CURRENT APPLICATION NUMBER: US/09/900,575
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: US/60/216,750
; PRIOR FILING DATE: 2000-07-07
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 46
; LENGTH: 7416
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Sequence of Plasmid pCGA126-1
US-09-900-575-46

Query Match 20.6%; Score 369; DB 34; Length 7416;
Best Local Similarity 99.5%; Pred. No. 1.8e-89;
Matches 391; Conservative 0; Mismatches 0; Indels 2; Gaps 2;

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Qy   1299 ccacctgaccccatgccgaactcagaagtgaaacgccgtagcgccgatggtagtgtgggg 1358
          ||||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||||
Db   2688 ccacctgaccccatgccgaactca-aagtgaaacgccgtagcgccgatggtagtgtgggg 2746

Qy   1359 tctccccatgcgagagtagggaactgccaggcatcaaataaaacgaaaggctcagtcgaa 1418
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2747 tctccccatgcgagagtagggaactgccaggcatcaaataaaacgaaaggctcagtcgaa 2806

Qy   1419 agactgggcctttcgttttatctgttgtttgtcggtgaacgctctcctgagtaggacaaa 1478
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2807 agactgggcctttcgttttatctgttgtttgtcggtgaacgctctcctgagtaggacaaa 2866

Qy   1479 tccg-ccgggagcggatttgaacgttgcgaagcaacggcccggagggtggcgggcaggac 1537
          |||| |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2867 tccgcccgggagcggatttgaacgttgcgaagcaacggcccggagggtggcgggcaggac 2926

Qy   1538 gcccgccataaactgccaggcatcaaattaagcagaaggccatcctgacggatggccttt 1597
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2927 gcccgccataaactgccaggcatcaaattaagcagaaggccatcctgacggatggccttt 2986

Qy   1598 ttgcgtttctacaaactcttcctgtcgtcatatctacaagccatccccccacagatacgg 1657
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   2987 ttgcgtttctacaaactcttcctgtcgtcatatctacaagccatccccccacagatacgg 3046

Qy   1658 taaactagcctcgtttttgcatcaggaaagcag 1690
          |||||||||||||||||||||||||||||||
Db   3047 taaactagcctcgtttttgcatcaggaaagcag 3079
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RESULT 12
US-09-630-931A-13
; Sequence 13, Application US/09630931A
; GENERAL INFORMATION:
; APPLICANT: Zyskind, Judith W.
; TITLE OF INVENTION: CHITOBIASE AS A REPORTER ENZYME

```
;  FILE REFERENCE:  ELITRA.006A
;  CURRENT APPLICATION NUMBER: US/09/630,931A
;  CURRENT FILING DATE:  2000-08-02
;  PRIOR APPLICATION NUMBER:  60/159,221
;  PRIOR FILING DATE:  1999-10-13
;  NUMBER OF SEQ ID NOS:  19
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;   LENGTH: 5641
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: pJMF3
US-09-630-931A-13


  Query Match             18.7%;  Score 336;  DB 24;  Length 5641;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-80;
  Matches  336;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1311 atgccgaactcagaagtgaaacgccgtagcgccgatggtagtgtggggtctccccatgcg 1370
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1441 atgccgaactcagaagtgaaacgccgtagcgccgatggtagtgtggggtctccccatgcg 1500

Qy   1371 agagtagggaactgccaggcatcaaataaaacgaaaggctcagtcgaaagactgggcctt 1430
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1501 agagtagggaactgccaggcatcaaataaaacgaaaggctcagtcgaaagactgggcctt 1560

Qy   1431 tcgttttatctgttgtttgtcggtgaacgctctcctgagtaggacaaatccgccgggagc 1490
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1561 tcgttttatctgttgtttgtcggtgaacgctctcctgagtaggacaaatccgccgggagc 1620

Qy   1491 ggatttgaacgttgcgaagcaacggcccggagggtggcgggcaggacgcccgccataaac 1550
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1621 ggatttgaacgttgcgaagcaacggcccggagggtggcgggcaggacgcccgccataaac 1680

Qy   1551 tgccaggcatcaaattaagcagaaggccatcctgacggatggccttttgcgtttctaca 1610
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1681 tgccaggcatcaaattaagcagaaggccatcctgacggatggccttttgcgtttctaca 1740

Qy   1611 aactcttcctgtcgtcatatctacaagccatccccc 1646
          ||||||||||||||||||||||||||||||||||||
Db   1741 aactcttcctgtcgtcatatctacaagccatccccc 1776


RESULT  13
US-09-630-931A-14
; Sequence 14, Application US/09630931A
; GENERAL INFORMATION:
;  APPLICANT:  Zyskind, Judith W.
;  TITLE OF INVENTION:  CHITOBIASE AS A REPORTER ENZYME
;  FILE REFERENCE:  ELITRA.006A
;  CURRENT APPLICATION NUMBER: US/09/630,931A
;  CURRENT FILING DATE:  2000-08-02
;  PRIOR APPLICATION NUMBER:  60/159,221
;  PRIOR FILING DATE:  1999-10-13
;  NUMBER OF SEQ ID NOS:  19
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 5670
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: pJMF4
US-09-630-931A-14


  Query Match             18.7%;  Score 336;  DB 24;  Length 5670;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-80;
  Matches  336;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1311 atgccgaactcagaagtgaaacgccgtagcgccgatggtagtgtggggtctccccatgcg 1370
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1441 atgccgaactcagaagtgaaacgccgtagcgccgatggtagtgtggggtctccccatgcg 1500

Qy   1371 agagtagggaactgccaggcatcaaataaaacgaaaggctcagtcgaaagactgggcctt 1430
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1501 agagtagggaactgccaggcatcaaataaaacgaaaggctcagtcgaaagactgggcctt 1560

Qy   1431 tcgttttatctgttgtttgtcggtgaacgctctcctgagtaggacaaatccgccgggagc 1490
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1561 tcgttttatctgttgtttgtcggtgaacgctctcctgagtaggacaaatccgccgggagc 1620

Qy   1491 ggatttgaacgttgcgaagcaacggcccggagggtggcgggcaggacgcccgccataaac 1550
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1621 ggatttgaacgttgcgaagcaacggcccggagggtggcgggcaggacgcccgccataaac 1680

Qy   1551 tgccaggcatcaaattaagcagaaggccatcctgacggatggccttttgcgtttctaca 1610
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1681 tgccaggcatcaaattaagcagaaggccatcctgacggatggccttttgcgtttctaca 1740

Qy   1611 aactcttcctgtcgtcatatctacaagccatccccc 1646
          ||||||||||||||||||||||||||||||||||||
Db   1741 aactcttcctgtcgtcatatctacaagccatccccc 1776


RESULT  14
US-09-630-931A-11
; Sequence 11, Application US/09630931A
; GENERAL INFORMATION:
;  APPLICANT:  Zyskind, Judith W.
;  TITLE OF INVENTION:  CHITOBIASE AS A REPORTER ENZYME
;  FILE REFERENCE:  ELITRA.006A
;  CURRENT APPLICATION NUMBER: US/09/630,931A
;  CURRENT FILING DATE:  2000-08-02
;  PRIOR APPLICATION NUMBER:  60/159,221
;  PRIOR FILING DATE:  1999-10-13
;  NUMBER OF SEQ ID NOS:  19
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 11
;   LENGTH: 5826
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: pDYK9
US-09-630-931A-11


  Query Match             18.7%;  Score 336;  DB 24;  Length 5826;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-80;
  Matches  336;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1311 atgccgaactcagaagtgaaacgccgtagcgccgatggtagtgtggggtctccccatgcg 1370
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1441 atgccgaactcagaagtgaaacgccgtagcgccgatggtagtgtggggtctccccatgcg 1500

Qy   1371 agagtagggaactgccaggcatcaaataaaacgaaaggctcagtcgaaagactgggcctt 1430
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1501 agagtagggaactgccaggcatcaaataaaacgaaaggctcagtcgaaagactgggcctt 1560

Qy   1431 tcgttttatctgttgtttgtcggtgaacgctctcctgagtaggacaaatccgccgggagc 1490
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1561 tcgttttatctgttgtttgtcggtgaacgctctcctgagtaggacaaatccgccgggagc 1620

Qy   1491 ggatttgaacgttgcgaagcaacggcccggagggtggcgggcaggacgcccgccataaac 1550
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1621 ggatttgaacgttgcgaagcaacggcccggagggtggcgggcaggacgcccgccataaac 1680

Qy   1551 tgccaggcatcaaattaagcagaaggccatcctgacggatggccttttgcgtttctaca 1610
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1681 tgccaggcatcaaattaagcagaaggccatcctgacggatggccttttgcgtttctaca 1740

Qy   1611 aactcttcctgtcgtcatatctacaagccatccccc 1646
          ||||||||||||||||||||||||||||||||||||
Db   1741 aactcttcctgtcgtcatatctacaagccatccccc 1776
```

```
RESULT  15
US-09-630-929-4
; Sequence 4, Application US/09630929
; GENERAL INFORMATION:
;  APPLICANT:  Judith W. Zyskind
;  TITLE OF INVENTION:  USE OF ECTOENZYMES AND SECRETED ENZYMES
;  TITLE OF INVENTION:  TO MONITOR CELLULAR PROLIFERATION
;  FILE REFERENCE:  ELITRA.012A
;  CURRENT APPLICATION NUMBER: US/09/630,929
;  CURRENT FILING DATE:  2000-08-02
;  NUMBER OF SEQ ID NOS:  6
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 6043
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Engineered E. coli plasmid pJFK4 with V. harveyi
;   OTHER INFORMATION: sequences inserted
US-09-630-929-4


  Query Match             18.7%;  Score 336;  DB 24;  Length 6043;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-80;
  Matches  336;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy   1311 atgccgaactcagaagtgaaacgccgtagcgccgatggtagtgtggggtctccccatgcg 1370
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1441 atgccgaactcagaagtgaaacgccgtagcgccgatggtagtgtggggtctccccatgcg 1500

Qy   1371 agagtagggaactgccaggcatcaaataaaacgaaaggctcagtcgaaagactgggcctt 1430
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1501 agagtagggaactgccaggcatcaaataaaacgaaaggctcagtcgaaagactgggcctt 1560

Qy   1431 tcgttttatctgttgtttgtcggtgaacgctctcctgagtaggacaaatccgccgggagc 1490
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1561 tcgttttatctgttgtttgtcggtgaacgctctcctgagtaggacaaatccgccgggagc 1620

Qy   1491 ggatttgaacgttgcgaagcaacggcccggagggtggcgggcaggacgcccgccataaac 1550
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1621 ggatttgaacgttgcgaagcaacggcccggagggtggcgggcaggacgcccgccataaac 1680

Qy   1551 tgccaggcatcaaattaagcagaaggccatcctgacggatggccttttgcgtttctaca 1610
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1681 tgccaggcatcaaattaagcagaaggccatcctgacggatggccttttgcgtttctaca 1740

Qy   1611 aactcttcctgtcgtcatatctacaagccatccccc 1646
          ||||||||||||||||||||||||||||||||||||
Db   1741 aactcttcctgtcgtcatatctacaagccatccccc 1776


Search completed: September 17, 2002, 02:38:37
Job time: 9268 sec
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